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Approved for use through 10/31/2002, OMB 0651-0032

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION**
(37 CFR 1.63)

Declaration Submitted Declaration Submitted after Initial With Initial Filing Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	716875.2
First Named Inventor	KORAKIANITIS et al.
COMPLETE IF KNOWN	
Application Number	Not Yet Known
Filing Date	FILED HEREWITH
Group Art Unit	Not Yet Known
Examiner Name	Not Yet Known

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

OPTIMIZED PULSATILE-FLOW VENTRICULAR-ASSIST DEVICE AND TOTAL ARTIFICIAL HEART

(Title of the Invention)

the specification of which

is attached hereto

OR

was filed on (MM/DD/YY)

as United States Application Number or PCT International

(if applicable).

Application Number

and was amended on (MM/DD/YY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number
or Bar Code Label 27128 OR Correspondence address below

Name Rebecca J. BrandauAddress Blackwell Sanders Peper Martin LLPAddress 720 Olive Street

City <u>St. Louis</u>	State <u>Missouri</u>	ZIP <u>63101</u>
Country <u>USA</u>	Telephone <u>(314) 345-6000</u>	Fax <u>(314) 345-6060</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
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Given Name (first and middle [if any]) <u>Theodosios</u>	Family Name Or Surname <u>Korakianitis</u>
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Inventor's Signature <u>T. Korakianitis</u>	Date <u>3/13/2001</u>
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Residence: City <u>St. Louis</u>	State <u>MO</u>	Country <u>USA</u>	Citizenship <u>US</u>
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Mailing Address 27 Chesterfield Lake

Mailing Address

City <u>St. Louis</u>	State <u>Missouri</u>	ZIP <u>63005</u>	Country <u>USA</u>
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NAME OF SECOND INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
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Given Name (first and middle [if any]) <u>Lonn</u>	Family Name Or Surname <u>Grandia</u>
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Inventor's Signature <u>Lonn Grandia</u>	Date <u>3/13/2001</u>
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Residence: City <u>Brussels</u>	State <u>IL</u>	Country <u>USA</u>	Citizenship <u>US</u>
---------------------------------	-----------------	--------------------	-----------------------

Mailing Address 140 Main Street

Mailing Address

City <u>Brussels</u>	State <u>Illinois</u>	ZIP <u>62013</u>	Country <u>USA</u>
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Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

ASSIGNMENT

WHEREAS, Theodosios Korakianitis, a resident of St. Louis, Missouri and Lonn Grandia, a resident of Brussels, Illinois, hereinafter referred to as Assignor(s), are the inventor(s) of a certain new and useful invention relating to a OPTIMIZED PULSATILE-FLOW VENTRICULAR-ASSIST DEVICE AND TOTAL ARTIFICIAL HEART for which Assignor(s) are about to make application for Letters Patent in the United States, said application having the attorney docket number 716875.2; and

WHEREAS, Assignor(s) are the owner(s) and in full possession of the entire right, title and interest in and to said invention and in and to any and all Letters Patent that may be granted therefor; and

WHEREAS, LTK Enterprises, L.L.C., a corporation duly organized under the laws of the State of Missouri, hereinafter referred to as Assignee, having its principal office and place of business at 5 Nantucket Lane, St. Louis, Missouri 63132, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent that may be granted therefor; and

NOW, THEREFORE, for and in consideration of the sum of One Dollar (U.S. \$1.00) and other valuable considerations to Assignor(s) paid by said Assignee, receipt of which is hereby acknowledged, Assignor(s) do hereby sell, assign and transfer unto said Assignee, the entire right, title and interest in and to said invention and in and to any and all Letters Patent, both United States and foreign, that may be granted therefor, together with any and all continuations, divisions, or reissues, and Assignor(s) do hereby authorize and request the United States Commissioner of Patents and Trademarks to issue in accordance with this Assignment any and all Letters Patent that may be granted, either on said application or otherwise for said invention.

IN WITNESS WHEREOF, Assignor(s) have hereunto set their hand and seal.

Dated: 2001/feb/27 ✓

T. Korakianitis (face value
\$125 million)
Theodosios Korakianitis

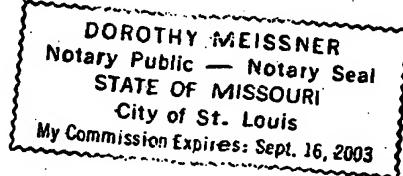
STATE OF MISSOURI)
)
) ss.
CITY OF ST. LOUIS)

On this 27 day of Feb., 2001, before me, the undersigned, a Notary Public within and for the City and State aforesaid, personally appeared Theodosios Korakianitis to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

In Witness Whereof, I have hereunto attached my hand and notarial seal, at the City and State aforesaid on the day and year last above written.

Dorothy Meissner
Notary Public

My Commission Expires: 9-16-2003



IN WITNESS WHEREOF, Assignor(s) have hereunto set their hand and seal.

Dated: 2/27/2001

Lonn Grandia

STATE OF MISSOURI)
) ss.
CITY OF ST. LOUIS)

On this 27 day of Feb., 2001, before me, the undersigned, a Notary Public within and for the City and State aforesaid, personally appeared Lonn Grandia to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

In Witness Whereof, I have hereunto attached my hand and notarial seal, at the City and State aforesaid on the day and year last above written.

Dorothy Meissner
Notary Public

My Commission Expires: 9-16-2003

